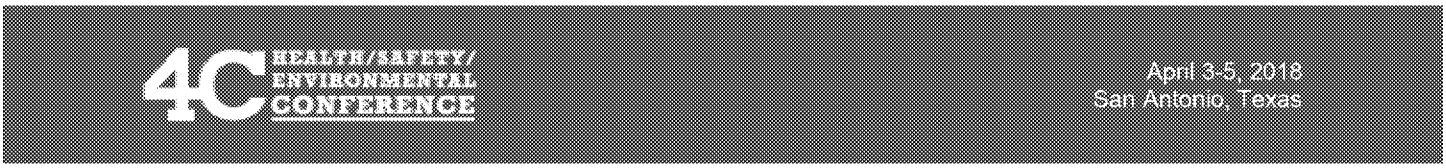
Message

From: 4C HSE Conference [info@4cconference.com]
Sent: 1/11/2018 10:25:34 PM
To: Wilwerding, Joseph [Wilwerding.Joseph@epa.gov]
Subject: The 2018 LDAR Presentations and Trainings You Need to See



4C Conference 2018:

Featured LDAR Training Courses and Breakout Presentations

Leak Detection and Repair (LDAR) continues to be a well-attended track at the 4C HSE Conference. Whether you're looking for expert-led training in Method 21 or alternative methods such as optical gas imaging, the 4C HSE Environmental Conference has something for you!

VIEW TRAINING COURSES →
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You won't want to miss the 2018 LDAR presentations; we're featuring cutting-edge topics like:

Good Packing Installation Techniques for Fugitive Emissions Services
Joel Baulch - TEADIT

Current Fugitive Emission Standards for Valves and Laboratory Test Methods
Matthew Wasielewski - Yarmouth Research and Technology, LLC

LDAR 2.0: LDAR for Environmental Compliance and LDAR for Operational Excellence
Steve Probst - 4C Marketplace

Levels of Compliance
Tanya Jackson - Montrose Air Quality Services

What is a Connector? When Do I Have to Monitor It?
Inaas Darrat - Director - Trinity Consultants

The full 2018 presentation schedule is available, and features more than 60 cutting-edge presentations on topics covering nearly everything in the HSE field along with continuing education essential to professional growth in the HSE industry.

SEE ALL PRESENTATIONS ⟶

Additionally, the 2018 conference offers LDAR-focused training courses. A few of our featured LDAR courses include:

LDAR – Beyond Basics and Underneath the Rules
Course Dates: April 4 - April 5, 2018
An in depth look at LDAR Basics from a fresh perspective.

More Info ⟶

LDAR Excellence
Course Dates:
April 4 - April 6, 2018
A 2.5-Day intense dive into best practices, continuous improvement and new-generation technology for all things Leak Detection and Repair / Fugitive Emissions. This workshop will feature discussion on LDAR program revalidation, as well as technology, tools and work practices to help elevate your LDAR program to excellence with cost-effective and efficient opportunities for improvement.

More Info ⟶

Advanced Topics in Quantitative Optical Gas Imaging
Course Date: April 5, 2018
Optical gas imaging (OGI) continues to gain acceptance in the petroleum and petrochemical industries for both safety and environmental applications. The new NSPS OOOOa and BLM regulations for the oil and gas sector both allow for OGI as the primary Leak Detection and Repair (LDAR) technology. These new regulations bring new requirements for OGI inspections and operators choosing to use OGI as a compliance tool. In addition, the field of

OGI continues to advance with new methods, new sensor technology and new applications emerging. A QOGI method is now available to provide real-time measurements of leak rates.

This course will review the fundamental aspects of optical gas imaging and describe how they relate to the new OGI related regulations. The OGI related requirements for a OOOOa compliant monitoring plan will also be examined. A Quantitative Optical Gas Imaging method will be presented along with results from blind testing and side-by-side comparisons to other quantitative methods. Applications for QOGI in the oil and gas sector will be presented and discussed. The course will conclude with a survey of the latest developments in the field of Optical Gas Imaging with an emphasis on applications for the petroleum and petrochemical industries.

More Info ⟶

CAD + Compliance Excellence (AutoCAD + Plant3D + Revit)
Course Dates: April 4 - 5, 2018
This 2-Day Workshop will foster a rich exchange of CAD knowledge and discussion on how CAD + Compliance Professionals can work together to elevate various compliance programs, including but not limited to PSM, LDAR, BWON, and RSR. On the agenda: easy-and-inexpensive electronic P&ID highlighting, as-built updates of P&IDs and isometrics, as well as 3D laser scan technology.

More Info ⟶

Optical Gas Imaging
Course Date: April 4, 2018
Offered by FLIR Systems, this course covers the regulatory framework for optical gas imaging, the OGI certification process, how to use the IR camera to find leaks, how optical gas image is a combination of art, science, technique, and interpretive skills, and the basic safety practices for doing an OGI inspection.

More Info ⟶

Refinery Sector Rule Focused Compliance
Course Date: April 5, 2018
Since the February 1, 2016 promulgation date, refineries have been scrambling to meet compliance deadlines in the revised MACT Subparts CC and UUU regulations, collectively known as the Refinery Sector Rule (RSR). This workshop begins by providing an overview of the regulatory requirements and compliance deadlines of affected sources including storage vessels, process vents, fenceline monitoring, flares, catalytic cracking units, and other refinery process units (e.g., sulfur recovery units, reformers, and cokers). The remainder of the workshop will provide a more detailed and focused look at specific compliance elements for each affected source. The workshop will explore possible methods for identifying flare events, vent gas monitoring options and development of written plans for refinery flares. Establishing fenceline monitoring programs and managing

data will also be covered. This workshop will also look at managing process vents and pressure relief device programs under the RSR. We will present shared learnings from development of RSR compliance programs when possible to assist refineries in achieving future compliance.

More Info →

Video Imaging Spectral Radiometry as an Alternative Monitoring Method for the Refinery Sector Rule
Course Date: April 4, 2018
Instrumentation for flare monitoring has been focused on the feed side, e.g., flow rate of vent gas and supplemental fuel, composition, net heating value, steam or air flow rate, etc. There is no instrumentation to provide feedback to the flare operator on how the flare is actually performing. This is due to the lack of technology that can continuously monitor the result of flare combustion. While other process units such as furnaces, reactors, scrubbers, etc. always have instruments to provide feedback, the flare is operated in the dark.

Now a new technology has been developed that can be used to remotely monitor flare performance and provide instant feedback to a flare operator. The technology is called Video Imaging Spectro-Radiometry (VISR), and it has been validated with full scale flares and extractive sampling tests. With VISR, a flare operator will have a dashboard that provides essential flare operation and performance parameters including directly measured combustion efficiency, level of smoke, flame stability, flame size, and heat released from flare combustion. With this flare dashboard, an operator finally has the information needed to operate the flare at peak performance day or night.

This course will cover flare feed side instrumentation (flow, temperature, pressure, online gas chromatography (GC) and calorimeter), VISR technology, and flare dashboard. Relevant regulatory compliance topics such as flare monitoring requirements in the Refinery Sector Rule will also be included in this class.

More Info →

Guideware Software Training
Course Date: April 5, 2018
Learn what is new in the GuideWare LDAR software, and how to utilize it's newest, advanced features to enhance and improve your LDAR program.

Topics Covered:
What's new in GuideWare version 2.5
Using Smart P&ID Drawings for your Inventory Jobs
GuideWare's New Scheduling Tool
Introducing 'GuideWare Connect' Mobile Connection Application
Database QA/QC – The Snapshot Reporting Tool
Audit Survival Tools – Learn how to audit your own data
Setting up OOOOa in GuideWare

Inspection Workflow with an Android Tablet and the IR Camera
Introducing GuideWare Fenceline Monitoring Web Application

More Info →

SEE ALL TRAINING COURSES →

You can see all the conference registration options here along with information on accommodations and other great conference events.

If you have any questions about registration, payment, or the checkout process, email us at info@4cconference.com and we'll be happy to help out.

See you in San Antonio!

Contact us to reserve your space on the expo floor:

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